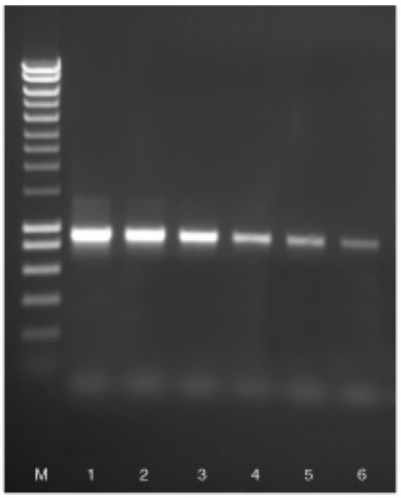
2x High-Fidelity Mastermix

- **Offers high-fidelity coupled with robust activity**
- **Convenient pre-mixed, pre-optimized 2x solution**
- **Reduced risk of contamination & decreased time required for reaction set up**
- **Can exhibit up to 46x greater accuracy than standard taq (depending on reaction conditions)**
- **Produces blunt ends**

PHENIX High-Fidelty Mastermix is a convenient pre-mixed and pro-optimized 2x preparation designed for reproducible results time after time. Every ready-to-use reaction mix contains High Fidelity DNA Polymerase, $MgCl_2$ and ultra pure dNTP's; the user adds only water, template and primers.

Recommended for high-throughput, 2x High Fidelity Mix dramatically reduces the time needed to set up experiments, thereby minimizing the risk of contamination. Greater reproducibility is ensured by reducing the number of pipetting steps that can lead to erroneous results.

2x High-Fidelity Mastermix is ideal for applications such as high fidelity PCR® for subsequent cloning, blunt-end cloning, DHPLC assays and general end-point PCR® amplification reactions of fragments up to 5Kb in size.



High Performance with 2x High-Fidelity Mastermix
An 800bp fragment from human genomic DNA was amplified using 25ul pf 2x High Fidelity Mastermix. The fragment was amplified from 0.5ng human genomic DNA (lane 1) followed by a 10-fold serial dilution series of template (lane 2-6). PCR® was performed in 50ul reaction mixtures containing 2.5mM $MgCl_2$. Marker is HyperLadder I.

Ordering Information

Cat No	Description	Unit	Price
DNP-HF108	High-Fidelity Enzyme in a Ready-To-Go 2x Mix	100 Rxns	$65.00
DNP-HF208	High-Fidelity Enzyme in a Ready-To-Go 2x Mix	500 Rxns	280.00
Other High Fidelity DNA Products			
DNP-HF104	PCR® Enzyme for reduced error rates (mutagenesis etc)	250u	$95.00
DNP-HF204	PCR® Enzyme for reduced error rates (mutagenesis etc)	500u	155.00

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